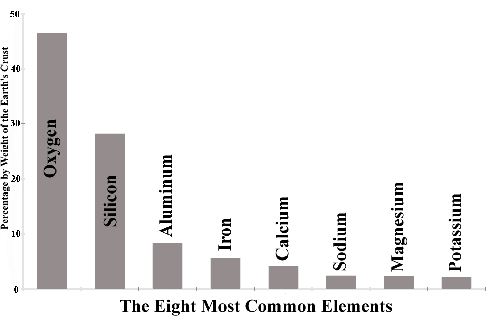
ES Warmups Week 20

Listed below are the 4 characteristics of minerals. Identify which two statements are false and change the underlined word to make the statement true.

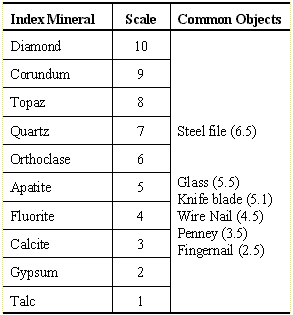
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| 1. | Minerals are made by manmade processes. |
| 2. | Minerals are inorganic liquids. |
| 3. | Minerals have a definite chemical composition. |
| 4. | The atoms in minerals are arranged in an orderly manner. |

1. Which elements make up less than 10% of the Earth’s crust?
2. Silicates make up the majority of the rock-forming minerals in the Earth’s crust. Which 2 elements make up silicates?



Identify the following statements as true or false.

|  |  |
| --- | --- |
| 1. | Minerals can be formed from magma or from solutions. |
| 2. | Luster is how a mineral reflects light. |
| 3. | The hardest mineral on the Mohs scale is talc. |
| 4. | Minerals come from living things. |
| 5. | A mineral that exhibits fracture breaks with a rough, jagged surface. |

Use the Mohs scale to answer the following questions.

1. Name a mineral that could scratch topaz.
2. Name a mineral that could be scratched with your fingernail.
3. What mineral is harder than a wire nail, but softer than glass?
4. What is the hardest mineral on the Mohs scale?

Match each description with the correct mineral identification test.

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| 1. | the way a mineral breaks | a. | luster |
| 2. | the color of a mineral in powdered form | b. | streak |
| 3. | the way a mineral reflects light | c. | hardness |
| 4. | how easily a mineral can be scratched | d. | cleavage and fracture |